OGUZ TECIRLIOGLU

tecirliogluoguz@gmail.com | +44 (0) 7340 467165 | https://oguztecirlioglu.github.io/ | Manchester, UK

EDUCATION

University of Manchester | BEng (Hons) Aerospace Engineering   Sept 2018 – June 2021

First-Class Honours expected

Modules: Fluid Mechanics (75%), Structures 1 (79%), Elec. Supply & Circuits (72%), Mod & Sim2 (72%)

Projects:

- **GitHub Open Source Projects:**

  Contribute to open source projects on GitHub, trying to work on open issues dealing with JavaScript & related libraries. Learnt the importance of writing re-usable & clean code, and effective communication and using version control (Git).

- **Deep-Learning for Scaled Structural Analysis (Final Year Project):**

  My projects aim is to scale up the findings in experiments of small models to their real size using deep learning. This is done using the new Finite Similitude Theory and using TensorFlow. The projects planning phase is extremely important to get on the right track for the desired outcome, which is the process I am in currently.

- **Data Acquisition & Experimental Methods | Resolve image from many small area measurements**:

  Used LabVIEW to program a XY plotter with inductive proximity sensor to measure an area and produce the resultant "image" of the whole area in a team. Gained experience in visual programming and enhanced critical reasoning skills while also designing and implementing a real-world application. Additionally, I acted as a leader in my group, asking assistant lecturers critical questions and relaying answers to my team

Bilkent Laboratories and International School | 89% Overall | High Honours Certificate on all years

- Completed the **International Baccalaureate:**

  Higher Level: **Mathematics with Calculus (6/7), Physics (6/7) and Economics (7/7)**.

  Volunteered at a disabled children's hospital every weekend.

WORK & EXPERIENCE

Japan Tobacco International (JTI) (5 weeks) - **Quality Assurance Intern**   Aug - Sept 2019

- My role was to focus on errors in production and take initiative in amending them.
- Collected samples from each machine, analysed them and worked on a project that investigated the relation between errors machines made and pinpointed the root cause.
- Prepared a presentation highlighting key errors & their causes.
- Worked under continuous pressure as a team, while facing unique challenges.
- Proved that I can learn new skills quickly.

PASS Leader   Sept 2020 - Current

- Learnt how to facilitate conversation and exchange ideas between a large group of people.
- Organising weekly meetings while keeping participation high was a challenge. Gained experience selecting topics.
- Communicated comfortably in an online environment.

TECHNICAL SKILLS

- Languages: **JavaScript**, **HTML & CSS, MATLAB, Python,** Learning **C++ & Java.**
- Frameworks/Libraries: **Node.js, TensorFlow.js, React.js, Bootstrap 5, jQuery, JSON.**
- Tools: **Git**, MS Office(Excel, Access), **Visual Studio Code**, **LabVIEW** , **Jenkins, MySQL**
- CAD & Simulation: SOLIDWORKS, ANSYS, ABAQUS, Fluent CFD Package.

INTERESTS

- **Royal Aeronautical Society (Affiliate)**

  Keeping up to date with the latest aerospace news and attending webinars & online conferences regularly.

- **Equity Trading**

  I have strong interest in the financial markets and have been trading my own portfolio for the past year. I have gained experience hedging risk, utilizing technical indicators, and conducting fundamental analysis to evaluate stocks.

- **Model United Nations (MUN)**

  Improved public speaking and debating skills, active leadership and learning to quickly brainstorm for a solution.

- **Varsity Basketball Team**

  Captain of the team in senior year.

  Enjoy all team-sports, casual or competitive.

- **Running & Weightlifting**

  I enjoy any sort of physical activity and regularly exercise, working out since the age of 13 at least 3 times a week. This has allowed me to exercise and develop my discipline and mental resilience.

- **Cosmology & Quantum Physics**

  Being highly interested in this subject, I read & research any new publications or findings regarding these subjects, as I find it very philosophical and highly scientific simultaneously.

- **Web & UX Development**

  Due to my interest towards software development in general, I take up any opportunity to develop websites for people that I know. These experiences have taught me the importance of writing reusable code and benefiting from previous projects to make new implementations.

- **Other Interests:**

  Rowing, Windsurfing:

  Languages: Turkish (Fluent), English (Fluent, TOEFL 109/120), Spanish (DELE A2), Serbian (Beginner).